

MINWAX® Technical Data Sheet
MINWAX® POLYCRYLIC® FINISH

DESCRIPTION:

Minwax® Polycrylic® Protective Finish is a crystal clear, ultra fast-drying protective topcoat for use over bare wood, oil- and water- based stains, paints and wallpaper. It has very little odor, is non-flammable, cleans up easily with soap and water and can be recoated in only 2 hours.

RECOMMENDED USE:

Polycrylic® can be used on furniture, trim, doors, cabinets, and paneling. Its clarity makes it an ideal topcoat over Minwax® Water-Based Wood Stains and any wood surface, especially light woods like maple, ash, and birch. Polycrylic® also resists damage from abrasion, scuffing, chipping, water, alcohol and other common household chemicals. Polycrylic® is not recommended for use on floors because it would require more frequent recoating in high traffic areas. Instead, we recommend Minwax® Super Fast-Drying Polyurethane for Floors or Minwax® Water-Based Polyurethane for floors.

SURFACE PREPARATION:

Ensure that the wood is dry and free of old finishes in poor condition, wax, grease, polish, dirt or other foreign matter. Sand to a smooth, uniform surface. **DO NOT USE STEEL WOOL.** Remove dust with a cloth dampened with water or 100% mineral spirits. Let dry completely.

WARNING: Removal of old paint by sanding, scraping or other means may generate dust or fumes that contain lead. Exposure to lead dust or fumes may cause brain damage or other adverse health effects, especially in children or pregnant women. Controlling exposure to lead or other hazardous substances requires the use of proper protective equipment such as a properly fitted respirator (NIOSH approved) and proper containment and cleanup. For more information, call the National Lead Information Center at 1-800-424-LEAD (in the US) or contact your local health authority.

Abrade old finishes thoroughly before recoating (**DO NOT USE STEEL WOOL**). Remove all dust.

APPLICATION NOTES:

1. If desired, apply Minwax® Wood Finish™ or Minwax® Water-Based Wood Stain to unfinished interior wood surfaces following label directions. Wait at least 24 hours before applying Polycrylic® over Minwax® Wood Finish™.
2. Open windows and doors for adequate ventilation.
3. **FINISH APPEARS MILKY IN CONTAINER BUT DRIES CRYSTAL CLEAR.** Stir well before and regularly during use. **DO NOT SHAKE.**
4. Apply a thin coat of Polycrylic® with a high-quality synthetic bristled brush. Apply in one direction with the grain. Do not over brush.

5. Let dry at least 2 hours then sand with a very fine sandpaper (220 grit) to ensure an even finish and proper adhesion of additional coats. **Do not use steel wool.** Remove all dust.
6. Apply second coat. For additional coats, repeat Step 5 before applying. Three coats are recommended.
7. After final coat, allow 3 hours before light handling and 24 hours before normal use.
8. Clean brush immediately after use with soap and warm water.

SPECIAL INSTRUCTIONS:

Polycrylic® should not be applied over red mahogany stain. Instead, use Minwax® Fast-Drying Polyurethane, Minwax® Super Fast-Drying Polyurethane, or Minwax® Wipe-On Poly. When applying Minwax® Polycrylic® over light colored, oil based stains, slight ambering may occur; therefore, always spot test on an inconspicuous area and let dry to ensure satisfactory results.

Read all label directions and cautions carefully before use

Notes: Thinning is not recommended. Keep from freezing. Store below 105° F. For interior use only. Dry times are based on good ventilation, a temperature of 77° F and 50% relative humidity. Lower temperature, higher humidity, lack of air movement or application of thick coats will extended drying times. Always test surface for tackiness between coats. Oil-based stains, paints or coatings applied under Polycrylic® may amber normally. Always spot test on an inconspicuous area to ensure satisfactory results.

PHYSICAL PROPERTIES:

		<u>Testing</u>
<u>method:</u>		
Resin type:	Polyurethane Dispersion, Acrylic Resin	
Solvent:	Water, Alkyl Propanols, Ethylene Glycol, Glycol Ethers, and N-Methyl Pyrrolidone.	
Odor:	Mild	
Luster (@ 60°):	Satin 25 +/- 5	ASTM D 523
	Semi-Gloss 57 +/- 5	ASTM D 523
	Gloss 90 +/- 5	ASTM D 523
No. of coats:	2-3	
Dry-time:	Recoat: 2 hours;	ASTM D 1640
	Final coat: 24 hours (light use)	
Dry film thickness:	0.6 mil/coat	
Flash point:	>200°F (SETAFLASH*)	ASTM D 3828
Applicator:	Synthetic bristle brush	
VOC (grams/liter):	275 maximum	ASTM D 3960
Coverage (sq. ft/gal):	Approx. 500	
% Solids:	29.0 – 31.0	ASTM D 2369

Pounds/gallon: 8.5 – 8.6
pH: 8.3 –8.7
Viscosity (centipoises): 180 – 220

ASTM D 1475

*SETAFLASH is a registered trademark of Stanhope-Seta Limited.

CAUTIONS: CONTAINS ALKYL PROPANOLS, ETHYLENE GLYCOL, GLYCOL ETHERS, AND N-METHYL PYRROLIDONE. VAPOR HARMFUL.

Use only with adequate ventilation. To avoid overexposure, open windows and doors or use other means to ensure fresh air entry during application and drying. If you experience eye watering, headaches or dizziness, increase fresh air or wear respiratory protection (NIOSH approved) or leave the area. Avoid contact with eyes and skin. Wash hands after using.

Keep container closed when not in use. Do not transfer contents to other containers for storage.

FIRST AID: In case of eye contact, flush thoroughly with large amounts of water for 15 minutes and get medical attention. For skin contact, wash thoroughly with soap and water. In case of respiratory difficulty, provide fresh air and call a physician. If swallowed, call Poison Control Center, hospital emergency room, or a physician immediately.

DELAYED EFFECTS FROM LONG-TERM OVEREXPOSURE. Contains solvents, which can cause permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

DO NOT TAKE INTERNALLY.

KEEP OUT OF REACH OF CHILDREN.

CONFORMS TO ASTM D-4236

Contact a physician for more health information.

WARNING! VAPOR HARMFUL, IRRITATES EYES, SKIN AND RESPIRATORY TRACT.